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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/570,732	03/06/2006	Gerd Muchllehner	PHUS030242US	9979
38107 7590 09/20/2007 PHILIPS INTELLECTUAL PROPERTY & STANDARDS 595 MINER ROAD			EXAMINER	
			GAWORECKI, MARK R	
CLEVELAND, OH 44143			ART UNIT	PAPER NUMBER
			2884	
			MAIL DATE	DELIVERY MODE
			09/20/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
	10/570,732	MUEHLLEHNER ET AL.				
Office Action Summary	Examiner	Art Unit				
	Mark R. Gaworecki	2884				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONEI	l. tely filed the mailing date of this communication. (35 U.S.C. § 133).				
Status						
, , , , , , , , , , , , , , , , , , , ,	Responsive to communication(s) filed on <u>06 March 2006</u> .					
' = '-	, _					
•	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4) ⊠ Claim(s) 1-24 is/are pending in the application. 4a) Of the above claim(s) is/are withdray 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) 1-24 is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/or	vn from consideration.					
Application Papers						
9) The specification is objected to by the Examine 10) The drawing(s) filed on <u>06 March 2006</u> is/are: a Applicant may not request that any objection to the of Replacement drawing sheet(s) including the correction of the original than the correction of the correction of the original than the correction of the correct	a) \boxtimes accepted or b) \square objected to drawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s)						
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 3/6/2006.	4) Interview Summary Paper No(s)/Máil Da 5) Notice of Informal Pa 6) Other:	te				

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claim 24 is rejected under 35 U.S.C. 102(b) as being anticipated by Thompson (2003/0058997).

With respect to claim 24, Thompson shows an imaging system comprising a plurality of emission radiation detectors arranged to define an imaging region (PET system, shown in Figs. 9 and 10), and a radiation shield positioned on one end of the imaging region wherein said radiation shield includes a non-circular subject receiving aperture (paragraph [0024]).

Claim Rejections - 35 USC § 103

- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 4. Claims 1-23 rejected under 35 U.S.C. 103(a) as being unpatentable over Thompson (2003/0058997), in view of Wong et al. (5,825,031).

With respect to claims 1-23, Thompson discloses a shield member for blocking radiation from outside the field of a PET system, while leaving an

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aperture for a subject (Fig. 2). With respect to the injection of a radioisotope and coincidence detecting means, conventional PET systems use an injected radioisotope and coincidence means for detecting emitted radiation within a preselected temporal window. Thompson further describes a conventional shield member mounted on a PET system ("Neurological Insert", paragraph [0005]). Further, Wong shows a fixed shield plate that is adapted for the body part being imaged (Fig. 9, column 9, lines 37-54). Although, neither Thompson nor Wong explicitly disclose an elliptical aperture, it would have been obvious to one of ordinary skill in the art at the time the invention was made to adapt a shield member to be the shape of a subject being imaged, in order to introduce the subject to the PET system, while blocking radiation from an outside source, as this is a conventionally known source of noise in scans of this type. The elliptical shape would be obvious, as it would be roughly the required shape to introduce a patient (who are approximately elliptical in cross-section) fully into the system without providing too much extra space for the introduction of external radiation.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark R. Gaworecki whose telephone number is (571) 272-8540. The examiner can normally be reached on Monday through Thursday, 7:00-5:30.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Porta can be reached on (571) 272-2444. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

MG 10 September 2007

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